

-- SELECT CLAUSE  
**select \* from customer**

--WHERE CLAUSE  
**SELECT \* FROM customer**  
**WHERE address\_id > 200**

--ORDER BY CLAUSE  
**SELECT \* FROM customer**  
**ORDER BY customer\_id ASC**

--GROUPBY CLAUSE  
**SELECT customer\_id,first\_name,store\_id,address\_id FROM customer**  
**GROUP BY store\_id,address\_id, customer\_id**  
**ORDER BY first\_name ASC**

--SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE

Data Output Messages Notifications

customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone
1 524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true	2006-02-14	2013-05-26 14:49:45
2 1	1	Mary	Smith	mary.smith@sakilacustomer.org	5	true	2006-02-14	2013-05-26 14:49:45
3 2	1	Patricia	Johnson	patricia.johnson@sakilacustomer.org	6	true	2006-02-14	2013-05-26 14:49:45
4 3	1	Linda	Williams	linda.williams@sakilacustomer.org	7	true	2006-02-14	2013-05-26 14:49:45
5 4	2	Barbara	Jones	barbara.jones@sakilacustomer.org	8	true	2006-02-14	2013-05-26 14:49:45
6 5	1	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org	9	true	2006-02-14	2013-05-26 14:49:45

Total rows: 599 Query complete 00:00:00.145 CRLF Ln 2, Col 23

Search ENG IN 6:52 PM 4/10/2025

Main DataBase.Tar/postgres@PostgreSQL 17

No limit

Execute script [F5]

```

1 -- SELECT CLAUSE
2 select * from customer
3
4 --WHERE CLAUSE
5 SELECT * FROM customer
6 WHERE address_id > 200
7
8 --ORDER BY CLAUSE
9 SELECT * FROM customer
10 ORDER BY customer_id ASC
11
12 --GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE

```

Data Output Messages Notifications

	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true	2006-02-14	2013-05-26 14:49:45
2	197	2	Sue	Peters	sue.peters@sakilacustomer.org	201	true	2006-02-14	2013-05-26 14:49:45
3	198	2	Elsie	Kelley	elsie.kelley@sakilacustomer.org	202	true	2006-02-14	2013-05-26 14:49:45
4	199	2	Beth	Franklin	beth.franklin@sakilacustomer.org	203	true	2006-02-14	2013-05-26 14:49:45
5	200	2	Jeanne	Lawson	jeanne.lawson@sakilacustomer.org	204	true	2006-02-14	2013-05-26 14:49:45
6	201	1	Vicki	Fields	vicki.fields@sakilacustomer.org	205	true	2006-02-14	2013-05-26 14:49:45

Showing rows: 1 to 403 Page No: 1 of 1

✓ Successfully run. Total query runtime: 1 secs 665 msec. 403 rows affected.

Total rows: 403 Query complete 00:00:01.665

CRLF Ln 7, Col 1

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Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × MainDataBase.Tar/postgres@PostgreSQL 17\*

MainDataBase.Tar/postgres@PostgreSQL 17

No limit

```

1 -- SELECT CLAUSE
2 select * from customer
3
4 --WHERE CLAUSE
5 SELECT * FROM customer
6 WHERE address_id > 200
7
8 --ORDER BY CLAUSE
9 SELECT * FROM customer
10 ORDER BY customer_id ASC
11
12 --GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE

```

Data Output Messages Notifications

	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone
1	524	1	Jared	Ely	jared.elly@sakilacustomer.org	530	true	2006-02-14	2013-05-26 14:49:45
2	197	2	Sue	Peters	sue.peters@sakilacustomer.org	201	true	2006-02-14	2013-05-26 14:49:45
3	198	2	Elsie	Kelley	elsie.kelley@sakilacustomer.org	202	true	2006-02-14	2013-05-26 14:49:45
4	199	2	Beth	Franklin	beth.franklin@sakilacustomer.org	203	true	2006-02-14	2013-05-26 14:49:45
5	200	2	Jeanne	Lawson	jeanne.lawson@sakilacustomer.org	204	true	2006-02-14	2013-05-26 14:49:45
6	201	1	Vicki	Fields	vicki.fields@sakilacustomer.org	205	true	2006-02-14	2013-05-26 14:49:45

Total rows: 403 Query complete 00:00:01.665 CRLF Ln 11, Col 1

Search

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## Query History

Execute script

F5

```

1 -- SELECT CLAUSE
2 select * from customer
3
4 -- WHERE CLAUSE
5 SELECT * FROM customer
6 WHERE address_id > 200
7
8 -- ORDER BY CLAUSE
9 SELECT * FROM customer
10 ORDER BY customer_id ASC
11
12 -- GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE

```

Data Output Messages Notifications

Showing rows: 1 to 599 1 Page No: 1 of 1

	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone
1	1	1	Mary	Smith	mary.smith@sakilacustomer.org	5	true	2006-02-14	2013-05-26 14:49:45.
2	2	1	Patricia	Johnson	patricia.johnson@sakilacustomer.org	6	true	2006-02-14	2013-05-26 14:49:45.
3	3	1	Linda	Williams	linda.williams@sakilacustomer.org	7	true	2006-02-14	2013-05-26 14:49:45.
4	4	2	Barbara	Jones	barbara.jones@sakilacustomer.org	8	true	2006-02-14	2013-05-26 14:49:45.
5	5	1	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org	9	true	2006-02-14	2013-05-26 14:49:45.
6	6	2	Jennifer	Davis	jennifer.davis@sakilacustomer.org	10	true	2006-02-14	2013-05-26 14:49:45.

Total rows: 599 Query complete 00:00:00.230

CRLF Ln 11, Col 1



Search



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4/10/2025

Query Query History

Execute script

[F5]

```
1 -- SELECT CLAUSE
2 ✓ select * from customer
3
4 --WHERE CLAUSE
5 SELECT * FROM customer
6 WHERE address_id > 299
7
8 --ORDER BY CLAUSE
9 SELECT * FROM customer
10 ORDER BY customer_id ASC
11
12 --GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE
```

Data Output Messages Notifications

SQL

Showing rows: 1 to 599 / Page No: 1

	customer_id	first_name	store_id	address_id
1	275	Aaron	2	280
2	367	Adam	1	372
3	525	Adrian	2	531
4	217	Agnes	2	221
5	389	Alain	1	394
6	852	Albert	1	957
7	646	Alberto	2	678

✓ Successfully run. Total query runtime: 00:00:00.415 ms. 599 rows affected.

Total rows: 599 Query complete 00:00:00.415





No limit



Query Query History

Execute script

F5

```
1 -- SELECT CLAUSE
2 select * from customer
3
4 --WHERE CLAUSE
5 SELECT * FROM customer
6 WHERE address_id > 200
7
8 --ORDER BY CLAUSE
9 SELECT * FROM customer
10 ORDER BY customer_id ASC
11
12 --GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE
```

Data Output Messages Notifications



Showing rows: 1 to 599

Page No: 1

of 1 14 &lt;&gt;

	customer_id [PK] integer	first_name character varying (45)	store_id smallint	address_id smallint
1	375	Aaron	2	380
2	367	Adam	1	372
3	525	Adrian	2	531
4	217	Agnes	2	221
5	389	Alan	1	394
6	352	Albert	1	357
7	568	Alberto	2	674

Total rows: 599 Query complete 00:00:00.415

CRLF Ln 16,0



Search

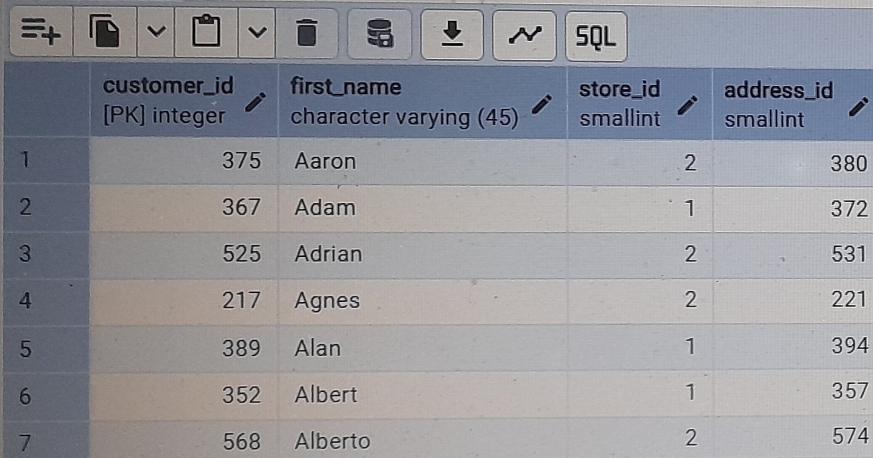
ENG  
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4/10/

```

12 --GROUPBY CLAUSE
13 SELECT customer_id,first_name,store_id,address_id FROM customer
14 GROUP BY store_id,address_id, customer_id
15 ORDER BY first_name ASC
16
17 --SELECT CLAUSE, WHERE CLAUSE, ORDER BY CLAUSE, GROUP BY CLAUSE
18 SELECT customer_id,first_name,store_id,address_id FROM customer
19 WHERE address_id > 200
20 GROUP BY store_id,address_id, customer_id
21 ORDER BY first_name ASC
22

```

Data Output Messages Notifications



	customer_id [PK] integer	first_name character varying (45)	store_id smallint	address_id smallint
1	375	Aaron	2	380
2	367	Adam	1	372
3	525	Adrian	2	531
4	217	Agnes	2	221
5	389	Alan	1	394
6	352	Albert	1	357
7	568	Alberto	2	574

Showing rows: 1 to 403

Page No: 1

of 1

Total rows: 403 Query complete 00:00:00.248

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Search



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```

23 --joins
24
25 SELECT *
26 FROM customer
27 INNER JOIN rental
28 ON customer.customer_id = rental.customer_id;
29
30 v SELECT *
31 FROM customer
32 LEFT JOIN rental
33 ON customer.customer_id = rental.customer_id;
34
35 v SELECT *
36 FROM customer
37 RIGHT JOIN payment
38 ON customer.customer_id = payment.customer_id;
39

```

Execute script

F5

Data Output Messages Notifications



Showing rows: 1 to 1000  Page No: 1 of 17

	customer_id integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without
1	459	1	Tommy	Collazo	tommy.collazo@sakilacustomer.org	464	true	2006-02-14	2013-05-26 14:49:4
2	408	1	Manuel	Murrell	manuel.murrell@sakilacustomer.org	413	true	2006-02-14	2013-05-26 14:49:4
3	333	2	Andrew	Purdy	andrew.purdy@sakilacustomer.org	338	true	2006-02-14	2013-05-26 14:49:4
4	222	2	Delores	Hansen	delores.hansen@sakilacustomer.org	226	true	2006-02-14	2013-05-26 14:49:4
5	549	1	Nelson	Christenson	nelson.christenson@sakilacustomer.org	555	true	2006-02-14	2013-05-26 14:49:4
6	269	1	Cassandra	Walters	cassandra.walters@sakilacustomer.org	274	true	2006-02-14	2013-05-26 14:49:4

Total rows: 16044 Query complete 00:00:00.294

CRLF Ln 28, Col 1



Search



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4/10/2025

```
ON customer.customer_id = rental.customer_id;
```

```
SELECT *
FROM customer
RIGHT JOIN payment
ON customer.customer_id = payment.customer_id;
```

```
--SUBQUERY
SELECT first_name, email
FROM customer
WHERE customer_id IN (
```

Data Output Messages Notifications

Showing rows: 1 to 1000 | Page No: 1 of 15 | < >

	customer_id integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp
1	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26
2	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26
3	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26
4	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26
5	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26
6	341	1	Peter	Menard	peter.menard@sakilacustomer.org	346	true	2006-02-14	2013-05-26

Total rows: 14596 Query complete 00:00:00.324

CRLF Ln 40,

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Search



```
41 --SUBQUERY
42 SELECT first_name, email
43 FROM customer
44 WHERE customer_id IN (
45     SELECT customer_id
46     FROM payment
47 );
48
49 --CREATE VIEWS FOR ANALYSIS
50 CREATE VIEW customer_payment_summary AS
51 SELECT
52     c.customer_id,
53     c.first_name
```

Data Output Messages Notifications

Showing rows: 1 to 599 Page No: 1 of 1

	first_name character varying (45)	email character varying (50)
1	Jared	jared.ely@sakilacustomer.org
2	Mary	mary.smith@sakilacustomer.org
3	Patricia	patricia.johnson@sakilacustomer.org
4	Linda	linda.williams@sakilacustomer.org
5	Barbara	barbara.jones@sakilacustomer.org
6	Elizabeth	elizabeth.brown@sakilacustomer.org
7	Jennifer	jennifer.davis@sakilacustomer.org

Total rows: 599

Query complete 00:00:00.170

CRLF



Search



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IN



```
59 GROUP BY c.customer_id, c.first_name, c.last_name, c.email;
60
61
62
63
64
65
```

```
SELECT * FROM customer_payment_summary ORDER BY total_paid DESC;
```

Data Output Messages Notifications



SQL

Showing rows: 1 to 599

Page No: 1

	customer_id integer	first_name character varying (45)	last_name character varying (45)	email character varying (50)	total_paid numeric
1	148	Eleanor	Hunt	eleanor.hunt@sakilacustomer.org	211.55
2	526	Karl	Seal	karl.seal@sakilacustomer.org	208.58
3	178	Marion	Snyder	marion.snyder@sakilacustomer.org	194.61
4	137	Rhonda	Kennedy	rhonda.kennedy@sakilacustomer.org	191.62
5	144	Clara	Shaw	clara.shaw@sakilacustomer.org	189.60
6	459	Tommy	Collazo	tommy.collazo@sakilacustomer.org	183.63
7	181	Ana	Bradley	ana.bradley@sakilacustomer.org	167.67

Total rows: 599 Query complete 00:00:00.229



Search



ENG  
IN



```
49 --CREATE VIEWS FOR ANALYSIS
50 ✓ CREATE VIEW customer_payment_summary AS
51 SELECT
52     c.customer_id,
53     c.first_name,
54     c.last_name,
55     c.email,
56     SUM(p.amount) AS total_paid
57 FROM customer c
58 LEFT JOIN payment p ON c.customer_id = p.customer_id
59 GROUP BY c.customer_id, c.first_name, c.last_name, c.email;
60
61
62 SELECT * FROM customer_payment_summary ORDER BY total_paid DESC;
63
64
65
```

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Data Output Messages Notifications

Showing rows: 1 to 599  Page No: 1 of 1

	customer_id integer	first_name character varying (45)	last_name character varying (45)	email character varying (50)	total_paid numeric
1	148	Eleanor	Hunt	eleanor.hunt@sakilacustomer.org	211.55
2	526	Karl	Seal	karl.seal@sakilacustomer.org	208.58
3	178	Marion	Snyder	marion.snyder@sakilacustomer.org	194.61
4	137	Rhonda	Kennedy	rhonda.kennedy@sakilacustomer.org	191.62
5	144	Clara	Shaw	clara.shaw@sakilacustomer.org	189.60
6	459	Tommy	Collazo	tommy.collazo@sakilacustomer.org	183.63
7	181	Ana	Bradley	ana.bradley@sakilacustomer.org	167.67

Total rows: 599 Query complete 00:00:00.229



Search

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